

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2012 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin**

RD2031 Reclamation District No. 2031 Elliot	Overall LMA Rating	Total LMA Miles						
	<b>M</b>	<b>13.19</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	0.15%	0.24	0.03		
Trim / Thin Trees	0.61		0.61	4.63%				
Encroachments	0.52		0.52	3.94%	0.22	0.38		
Animal Control	0.14	0.03	0.26	1.97%				
Erosion / Bank Caving	0.03	0.01	0.07	0.53%				
Crown Surface / Depressions / Rutting	0.07		0.07	0.53%				
<i>Interior Drainage &amp; Piping Systems</i>								
Flap Gates		0.01	0.04	0.30%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04		0.04	0.30%				
<b>LMA Totals:</b>	<b>1.43</b>	<b>0.05</b>	<b>1.63</b>	<b>12.36%</b>	<b>0.46</b>	<b>0.41</b>	<b>0.00</b>	<b>0.00</b>

Unit No. 01 Stanislaus River LB RD2031	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
	<b>M *</b>	<b>7.15</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.14%	0.24	0.01		
Encroachments	0.02		0.02	0.28%	0.22	0.36		
Animal Control	0.02	0.01	0.06	0.84%				
Erosion / Bank Caving	0.03		0.03	0.42%				
Crown Surface / Depressions / Rutting	0.07		0.07	0.98%				
<i>Interior Drainage &amp; Piping Systems</i>								
Flap Gates		0.01	0.04	0.56%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04		0.04	0.56%				
<b>Unit Totals:</b>	<b>0.19</b>	<b>0.02</b>	<b>0.27</b>	<b>3.78% *</b>	<b>0.46</b>	<b>0.37</b>	<b>0.00</b>	<b>0.00</b>

Unit No. 02 San Joaquin River RB RD2031	Overall Unit Rating	Total Unit Miles						
	<b>U</b>	<b>6.04</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.17%		0.02		
Trim / Thin Trees	0.61		0.61	10.10%				
Encroachments	0.50		0.50	8.28%		0.02		
Animal Control	0.12	0.02	0.20	3.31%				
Erosion / Bank Caving		0.01	0.04	0.66%				
<b>Unit Totals:</b>	<b>1.24</b>	<b>0.03</b>	<b>1.36</b>	<b>22.52%</b>	<b>0.00</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2012 Levee Inspection Results**

**Reclamation District No. 2031 Elliot**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			<b>M</b>	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles
Unit No. 01 Stanislaus River	Left	7.15

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	05/15/2012 - 05/15/2012		10/23/2012 - 10/23/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Bob Buckmaster		Spencer Cooper RD 2031	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River				Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	5
								DWR ID: DWR_RD2031_01_s_2012_5		
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	12
								DWR ID: DWR_RD2031_01_s_2012_12		
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	13
								DWR ID: DWR_RD2031_01_s_2012_13		
4	0.00	0.07	Earthen Levee	Encroachments	WS	M En	FE : Fence Inspector Comments: Wooden and steel livestock fence and debris limit access to slope.	37.710001 ° -121.155391 °	37.709871 ° -121.156568 °	963 Y
								DWR ID: DWR_RD2031_01_s_2012_963		
5	0.15	0.15	Earthen Levee	Encroachments	LS	A/W En	PI : Pipe	37.708780 ° -121.156830 °	37.708780 ° -121.156830 °	30 Y
								DWR ID: DWR_RD2031_01_s_2012_30		
6	0.34	0.52	Earthen Levee	Encroachments	WS	U En	FE : Fence Inspector Comments: Fence appears to be completed without CVFPB approval.	37.706148 ° -121.157975 °	37.704030 ° -121.159653 °	7 Y
								DWR ID: DWR_RD2031_01_s_2012_7		
7	0.36	0.36	Earthen Levee	Encroachments	WS	M Ma	GA : Garbage	37.705873 ° -121.158057 °	37.705873 ° -121.158057 °	10 Y
								DWR ID: DWR_RD2031_01_f_2012_10		
8	0.45	0.52	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: It appears the fence was completed without CVFPB approval.	37.704927 ° -121.158860 °	37.703788 ° -121.159923 °	14 Y
								DWR ID: DWR_RD2031_01_f_2012_14		
9	0.46	0.46	Interior Drainage & Piping Systems	Flap Gates	WS	U Ma	Inspector Comments: Canal outlet has no flap gate on waterward side.	37.704772 ° -121.158990 °	37.704772 ° -121.158990 °	32 Y
								DWR ID: DWR_RD2031_01_s_2012_32		

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
10	0.47	0.50	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 07/18/2012: No significant changes observed. 08/18/2011: No significant changes observed on site. Debris that blocks the irrigation outlet visible. 10/19/2010: No significant changes observed on site. Sloughing of the bank is occurring adjacent to an irrigation outlet structure. There is moderate to heavy vegetation along the bank that is well established. Broken chunks and slabs of concrete are used as rip rap and line the outside of the irrigation outlet structure. However, much of the rip rap along the slope is sloughing and could possibly lead to future slope instability. 08/05/2010: Recommended as a local maintenance issue, per CLRO. 08/20/2009: No major change observed since last visit; 1 inch fissure cracks developing on the slope; rip rap is showing signs of sloughing; recommend as local maintenance issue; site was previously rated "U". 2008: No change from previous year; irrigation outlet located on site; rip rap placed on river bank. 09/06/2007: Near agricultural diversion; only 3' landside height differential. [2012 Site ID:RD2031U01RM0.48]	37.704740 ° -121.159140 °	37.704740 ° -121.159140 °	1 Y
DWR ID:										
11	0.52	0.52	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.704050 ° -121.159578 °	37.704050 ° -121.159578 °	2 Y
DWR ID: DWR_RD2031_01_s_2012_2										
12	0.55	0.65	Earthen Levee	Encroachments	LS	U En	BU : Building Inspector Comments: Corrals and house on levee slope and crown.	37.703626 ° -121.159714 °	37.702648 ° -121.160700 °	969 Y
DWR ID: DWR_RD2031_01_s_2012_969										
13	0.57	0.57	Earthen Levee	Encroachments	WSA/W	En	PI : Pipe Inspector Comments: It appears that the pipe is in good condition and slide gate is operational.	37.703120 ° -121.159798 °	37.703120 ° -121.159798 °	16 Y
DWR ID: DWR_RD2031_01_f_2012_16										
14	0.61	0.61	Earthen Levee	Encroachments	CR	M En	FE : Fence Inspector Comments: Temporary gate crossing levee crown to keep livestock from wondering.	37.703195 ° -121.160475 °	37.703195 ° -121.160475 °	22 Y
DWR ID: DWR_RD2031_01_f_2012_22										
15	0.63	0.63	Earthen Levee	Encroachments	CR	U En	EQ : Equipment Inspector Comments: Vehicles parked on crown of levee.	37.703005 ° -121.160567 °	37.703005 ° -121.160567 °	33 Y
DWR ID: DWR_RD2031_01_s_2012_33										
16	0.64	0.71	Earthen Levee	Encroachments	LS	M En	FE : Fence	37.702814 ° -121.160562 °	37.701875 ° -121.161670 °	4 Y
DWR ID: DWR_RD2031_01_s_2012_4										
17	0.64	0.64	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C2 : Repair depressions or ruts in the crown or slope.	37.702766 ° -121.160598 °	37.702766 ° -121.160598 °	970 Y
DWR ID: DWR_RD2031_01_s_2012_970										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	0.65	0.65	Earthen Levee	Encroachments	LS	M En	DE : Debris Inspector Comments: Tractor wheels on slope of landside levee.	37.702643 ° -121.160867 °	37.702643 ° -121.160867 °	35 Y
DWR ID: DWR_RD2031_01_s_2012_35										
19	0.75	0.78	Earthen Levee	Encroachments	LS	M En	DT : Ditch	37.701566 ° -121.161852 °	37.701178 ° -121.162086 °	972 Y
DWR ID: DWR_RD2031_01_s_2012_972										
20	0.78	0.78	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.701177 ° -121.162055 °	37.701177 ° -121.162055 °	36 Y
DWR ID: DWR_RD2031_01_f_2012_36										
21	0.81	0.81	Earthen Levee	Encroachments	LS	M Ma	PI : Pipe Inspector Comments: PVC pipe present and obstructing drain pipe.	37.700799 ° -121.162418 °	37.700799 ° -121.162418 °	20 Y
DWR ID: DWR_RD2031_01_s_2012_20										
22	0.89	0.89	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C3 : Add appropriate gravel or road base. Grade and compact.	37.699980 ° -121.163368 °	37.699980 ° -121.163368 °	6 Y
DWR ID: DWR_RD2031_01_s_2012_6										
23	1.27	1.27	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Irrigation intake pipe.	37.699536 ° -121.169924 °	37.699536 ° -121.169924 °	11 Y
DWR ID: DWR_RD2031_01_s_2012_11										
24	1.58	1.58	Earthen Levee	Erosion / Bank Caving	LS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: Erosion is active around the irrigation standpipe.	37.698776 ° -121.174327 °	37.698776 ° -121.174327 °	3 Y
DWR ID: DWR_RD2031_01_s_2012_3										
25	1.60	1.60	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: Active erosion is occurring around irrigation inlet.	37.698610 ° -121.174598 °	37.698610 ° -121.174598 °	8 Y
DWR ID: DWR_RD2031_01_s_2012_8										
26	1.65	1.65	Earthen Levee	Erosion / Bank Caving	LS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: Active erosion around irrigation inlet in levee prism.	37.698208 ° -121.175400 °	37.698208 ° -121.175400 °	9 Y
DWR ID: DWR_RD2031_01_s_2012_9										
27	1.88	1.88	Earthen Levee	Encroachments	WS	M En	DE : Debris Inspector Comments: Several bales of hay at toe of levee.	37.695867 ° -121.177638 °	37.695867 ° -121.177638 °	37 Y
DWR ID: DWR_RD2031_01_s_2012_37										
28	2.02	2.09	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C2 : Repair depressions or ruts in the crown or slope.	37.693720 ° -121.177527 °	37.692782 ° -121.177642 °	38 Y
DWR ID: DWR_RD2031_01_s_2012_38										
29	2.17	2.17	Earthen Levee	Encroachments	WS	M En	CR : Crops Inspector Comments: Hay bale on waterside levee slope.	37.691687 ° -121.178285 °	37.691687 ° -121.178285 °	39 Y
DWR ID: DWR_RD2031_01_f_2012_39										
30	2.41	2.41	Earthen Levee	Encroachments	LS A/W	PI : Pipe Ma	Inspector Comments: Flap gate is closed and appears to be operational.	37.688623 ° -121.179767 °	37.688623 ° -121.179767 °	42 Y
DWR ID: DWR_RD2031_01_f_2012_42										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
31	2.44	2.44	Earthen Levee	Animal Control	LS	U	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large rodent holes were noted on the landside slope.	37.688388 ° -121.180135 °	37.688388 ° -121.180135 °	43 Y
DWR ID: DWR_RD2031_01_f_2012_43										
32	2.47	2.47	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.687953 ° -121.180244 °	37.687953 ° -121.180244 °	15 Y
DWR ID: DWR_RD2031_01_s_2012_15										
33	2.56	2.56	Earthen Levee	Animal Control	CR	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes observed on the levee crown.	37.687397 ° -121.181565 °	37.687397 ° -121.181565 °	44 Y
DWR ID: DWR_RD2031_01_f_2012_44										
34	2.66	2.66	Earthen Levee	Encroachments	WS	M	CR : Crops Inspector Comments: Hay bale on waterside levee slope.	37.687145 ° -121.183317 °	37.687145 ° -121.183317 °	45 Y
DWR ID: DWR_RD2031_01_f_2012_45										
35	3.11	3.11	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.688296 ° -121.190890 °	37.688296 ° -121.190890 °	21 Y
DWR ID: DWR_RD2031_01_s_2012_21										
36	3.29	3.29	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.690556 ° -121.192451 °	37.690556 ° -121.192451 °	17 Y
DWR ID: DWR_RD2031_01_s_2012_17										
37	3.55	3.55	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.690864 ° -121.195990 °	37.690864 ° -121.195990 °	24 Y
DWR ID: DWR_RD2031_01_s_2012_24										
38	3.64	3.64	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.690280 ° -121.197447 °	37.690280 ° -121.197447 °	28 Y
DWR ID: DWR_RD2031_01_s_2012_28										
39	3.71	3.71	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.689783 ° -121.198562 °	37.689783 ° -121.198562 °	29 Y
DWR ID: DWR_RD2031_01_s_2012_29										
40	3.72	3.72	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.689742 ° -121.198695 °	37.689742 ° -121.198695 °	19 Y
DWR ID: DWR_RD2031_01_s_2012_19										
41	4.03	4.03	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.690937 ° -121.203319 °	37.690937 ° -121.203319 °	31 Y
DWR ID: DWR_RD2031_01_s_2012_31										
42	4.42	4.42	Earthen Levee	Encroachments	CRA/W	PI : Pipe	En	37.686820 ° -121.207718 °	37.686820 ° -121.207718 °	46 Y
DWR ID: DWR_RD2031_01_f_2012_46										
43	4.45	4.45	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Ma	37.686376 ° -121.207935 °	37.686376 ° -121.207935 °	23 Y
DWR ID: DWR_RD2031_01_s_2012_23										
44	4.54	4.54	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	37.685268 ° -121.208380 °	37.685268 ° -121.208380 °	41 Y
DWR ID: DWR_RD2031_01_s_2012_41										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
45	4.60	4.80	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Poplars and other landscaping at levee toe.	37.684474 ° -121.208447 °	37.682167 ° -121.209098 °	982
DWR ID: DWR_RD2031_01_s_2012_982										
46	5.03	5.03	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Irrigation pipe	37.680177 ° -121.212117 °	37.680177 ° -121.212117 °	40
DWR ID: DWR_RD2031_01_f_2012_40										
47	5.35	5.35	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping Inspector Comments: Wild rose	37.678363 ° -121.217375 °	37.678363 ° -121.217375 °	25 Y
DWR ID: DWR_RD2031_01_f_2012_25										
48	5.41	5.41	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Wild Rose Bushes	37.677641 ° -121.217499 °	37.677641 ° -121.217499 °	983
DWR ID: DWR_RD2031_01_s_2012_983										
49	5.68	5.68	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Mostly Willow	37.673718 ° -121.217609 °	37.673718 ° -121.217609 °	984
DWR ID: DWR_RD2031_01_s_2012_984										
50	5.72	5.72	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Wild Rose bushes	37.673158 ° -121.217766 °	37.673158 ° -121.217766 °	985
DWR ID: DWR_RD2031_01_s_2012_985										
51	5.94	5.94	Earthen Levee	Encroachments	LS A/W	PI : Pipe Ma	Inspector Comments: MID installation	37.670341 ° -121.219224 °	37.670341 ° -121.219224 °	26
DWR ID: DWR_RD2031_01_s_2012_26										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.07
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Fall 2009 photo looking upstream at beginning of unit 1. Water side to the left.

mkhashch\_f\_20120927\_063.jpg



Levee Mile Report Line	5
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the pipe in landward slope of levee facing downstream.

mkhashch\_f\_20121029\_681.JPG



Levee Mile Report Line	6
Start Levee Mile	0.34
End Levee Mile	0.52
Location	Water Side
Category	Earthen Levee
Item	Encroachments

05/10/2011 Fence on waterside prevents access to waterside slope.

mkhashch\_f\_20120927\_051.jpg



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor &amp; Maintain</p>	<p><b>+ Issue Type</b></p> <p>Ma : Maintenance Deficiency Ob : Design &amp; System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	6
Start Levee Mile	0.34
End Levee Mile	0.52
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of fence on waterside slope facing downstream.	
mkhashch_f_20121029_682.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.34
End Levee Mile	0.52
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of fence obstructing access to waterside slope. Facing upstream.	
mkhashch_f_20121029_683.JPG	



Levee Mile Report Line	7
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of garbage on waterside slope obstructing visibility.	
mkhashch_f_20121029_684.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.45
End Levee Mile	0.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of fence on landside levee shoulder facing downstream.	
mkhashch_f_20121029_685.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.45
End Levee Mile	0.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of fence on landside levee shoulder obstructing access to landside slope. Facing upstream.	
mkhashch_f_20121029_686.JPG	



Levee Mile Report Line	9
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates
View of canal outlet on waterward slope facing downstream. 05/02/2012	
mkhashch_f_20120927_059.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates

View of missing flap gate. Facing upstream.

mkhashch\_f\_20121029\_687.JPG



Levee Mile Report Line	10
Start Levee Mile	0.47
End Levee Mile	0.50
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the site.

SJR2012\_RD2031U01RM0.48\_1.jpg



Levee Mile Report Line	11
Start Levee Mile	0.52
End Levee Mile	0.52
Location	Water Side
Category	Earthen Levee
Item	Vegetation

10/26/2011 Updated photo of waterside vegetation.

mkhashch\_f\_20120927\_049.jpg



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor &amp; Maintain</p>	<p><b>+ Issue Type</b></p> <p>Ma : Maintenance Deficiency Ob : Design &amp; System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	11
Start Levee Mile	0.52
End Levee Mile	0.52
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of vegetation on waterside slope. Facing upstream.	
mkhashch_f_20121029_688.JPG	



Levee Mile Report Line	12
Start Levee Mile	0.55
End Levee Mile	0.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fall 2009 photo of livestock pens and house on landside slope.	
mkhashch_f_20120927_064.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.55
End Levee Mile	0.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fall 2012 photo of livestock pens and house on landside slope.	
mkhashch_f_20121029_691.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of slide gate and access ladder. Gate appears to be in good condition.

mkhashch\_f\_20121029\_689.JPG



Levee Mile Report Line	13
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the pipe gate valve location.

mkhashch\_f\_20121029\_690.JPG



Levee Mile Report Line	14
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of temporary gate across levee crown, facing downstream.

mkhashch\_f\_20121029\_693.JPG



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor &amp; Maintain</p>	<p><b>+ Issue Type</b></p> <p>Ma : Maintenance Deficiency Ob : Design &amp; System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	14
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of livestock on levee crown.

mkhashch\_f\_20121029\_694.JPG



Levee Mile Report Line	15
Start Levee Mile	0.63
End Levee Mile	0.63
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of vehicles parked on crown of levee, facing upstream. 05/02/2012

mkhashch\_f\_20120927\_060.jpg



Levee Mile Report Line	15
Start Levee Mile	0.63
End Levee Mile	0.63
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of vehicles/equipment parked on crown of levee, facing downstream.

mkhashch\_f\_20121029\_692.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	0.65
End Levee Mile	0.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of tractor wheels on landward slope. 05/02/2012	
mkhashch_f_20120927_061.jpg	



Levee Mile Report Line	19
Start Levee Mile	0.75
End Levee Mile	0.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the ditch on landside levee toe, facing downstream.	
mkhashch_f_20121029_695.JPG	



Levee Mile Report Line	20
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of rodent burrows on landside slope.	
mkhashch_f_20121029_696.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	0.81
End Levee Mile	0.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments
05/10/2011 PVC pipe pieces are obstructing opening to drain pipe.	
mkhashch_f_20120927_056.jpg	



Levee Mile Report Line	21
Start Levee Mile	0.81
End Levee Mile	0.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments
10/26/2011 Updated photo of PVC pipe pieces obstructing drain pipe, issue remains from Spring 2011 inspection.	
mkhashch_f_20120927_057.jpg	



Levee Mile Report Line	23
Start Levee Mile	1.27
End Levee Mile	1.27
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Irrigation intake pump and pipe.	
mkhashch_f_20120927_054.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	24
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
10/26/2011 Active erosion into the levee prism around irrigation standpipe.	
mkhashch_f_20120927_050.jpg	



Levee Mile Report Line	24
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the erosion site on landside slope, facing upstream.	
mkhashch_f_20121029_697.JPG	



Levee Mile Report Line	25
Start Levee Mile	1.60
End Levee Mile	1.60
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
10/26/2011 Active erosion shown around irrigation inlet.	
mkhashch_f_20120927_052.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	26
Start Levee Mile	1.65
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
10/26/2011 Active erosion into levee prism around irrigation inlet.	
mkhashch_f_20120927_053.jpg	



Levee Mile Report Line	27
Start Levee Mile	1.88
End Levee Mile	1.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of hay bales at toe of levee on waterward side, facing downstream.	
mkhashch_f_20121029_698.JPG	



Levee Mile Report Line	29
Start Levee Mile	2.17
End Levee Mile	2.17
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of hay bales at toe of levee on waterward side, facing downstream. 05/02/2012	
mkhashch_f_20121029_699.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	30
Start Levee Mile	2.41
End Levee Mile	2.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the closed slide gate.

mkhashch\_f\_20121029\_700.JPG



Levee Mile Report Line	30
Start Levee Mile	2.41
End Levee Mile	2.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the slide gate lever and well.

mkhashch\_f\_20121029\_701.JPG



Levee Mile Report Line	30
Start Levee Mile	2.41
End Levee Mile	2.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of closed flap gate on waterside.

mkhashch\_f\_20121029\_702.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	31
Start Levee Mile	2.44
End Levee Mile	2.44
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of large animal burrow on landside slope with lots of material removed from the levee.	
mkhashch_f_20121029_703.JPG	



Levee Mile Report Line	33
Start Levee Mile	2.56
End Levee Mile	2.56
Location	Crown
Category	Earthen Levee
Item	Animal Control
View of the several rodent holes in levee crown.	
mkhashch_f_20121029_704.JPG	



Levee Mile Report Line	34
Start Levee Mile	2.66
End Levee Mile	2.66
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of hay bales at toe of levee on waterward side, facing downstream.	
mkhashch_f_20121029_705.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	40
Start Levee Mile	3.72
End Levee Mile	3.72
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Irrigation intake on waterside berm.	
mkhashch_f_20120927_055.jpg	



Levee Mile Report Line	47
Start Levee Mile	5.35
End Levee Mile	5.35
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of the wild rose at landside levee toe obstructing visibility and access.	
mkhashch_f_20121029_706.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles
Unit No. 02 San Joaquin River	Right	6.04

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	05/15/2012 - 05/24/2012		10/23/2012 - 10/23/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Mr. Bob Buckmaster RD 2031			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River				Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.22	0.22	Earthen Levee	Encroachments	LS	A/W Ma	PI : Pipe	37.658843 ° -121.234271 °	37.658843 ° -121.234271 °	3 Y
DWR ID: DWR_RD2031_02_s_2012_3										
2	0.63	0.63	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Tree limbs obstruct visibility of landside toe.	37.654585 ° -121.231719 °	37.654585 ° -121.231719 °	10 Y
DWR ID: DWR_RD2031_02_s_2012_10										
3	1.36	1.36	Earthen Levee	Encroachments	LS	U En	BU : Building	37.648898 ° -121.221621 °	37.648898 ° -121.221621 °	4 Y
DWR ID: DWR_RD2031_02_s_2012_4										
4	1.45	1.47	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Wild rose bush on landside slope.	37.647708 ° -121.220873 °	37.647462 ° -121.220857 °	965 Y
DWR ID: DWR_RD2031_02_s_2012_965										
5	3.00	3.60	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Obstructive trees and vegetation along highway are on the landside slope of the levee.	37.637626 ° -121.207191 °	37.638301 ° -121.196465 °	966 Y
DWR ID: DWR_RD2031_02_s_2012_966										
6	3.88	3.88	Earthen Levee	Encroachments	WS	U En	PI : Pipe Inspector Comments: Pipe has a flap gate on waterside. It appears that the flap gate will not close due to sediment.	37.637927 ° -121.191592 °	37.637927 ° -121.191592 °	18 Y
DWR ID: DWR_RD2031_02_s_2012_18										
7	3.89	3.89	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tall grass at toe should be removed for visibility.	37.637715 ° -121.191516 °	37.637715 ° -121.191516 °	967 Y
DWR ID: DWR_RD2031_02_s_2012_967										
8	4.23	4.23	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Burrows are already marked to take corrective action. Several burrows in this area. Fall 2011, burrows are still marked with old flags, burrows appear to still be active.	37.632974 ° -121.190745 °	37.632974 ° -121.190745 °	9 Y
DWR ID: DWR_RD2031_02_s_2012_9										
9	4.23	4.73	Earthen Levee	Encroachments	LS	M Ma	AT : Agricultural tilling Inspector Comments: Farming activity up to the levee toe.	37.632974 ° -121.190745 °	37.630672 ° -121.182760 °	20 Y
DWR ID: DWR_RD2031_02_s_2012_20										
10	4.28	4.36	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Fall 2011 inspection, burrows are flagged, but appear to still be active,	37.632220 ° -121.190380 °	37.631578 ° -121.189245 °	11 Y
DWR ID: DWR_RD2031_02_s_2012_11										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
11	4.33	4.37	Supplemental	DWR Erosion Survey	WSA/W	Ma	Inspector Comments: 07/18/2012: No significant change observed on the site. 08/18/2011: No significant changes observed on the site. Dead trees and animal activities visible. The closest point of the erosion site to the levee toe is about 100 ft. 10/19/2010: There is active scouring occurring on the bank due to the nature of the flow and the lack of armor protection. There is also a fallen log immediately downstream of where the erosion has occurred and is protruding outward, possibly creating an eddy and scouring the bank. With the remaining 100-foot wide berm, the levee prism is not yet affected. However, the bank will continue to degrade, and eventually intrude into the levee prism if no protection is put in place. Erosion site is recommended for annual assessment and monitoring during flood events. [2012 Site ID:RD2031U02RM78.7]	37.631716 ° -121.189370 °	37.631716 ° -121.189370 °	1 Y
DWR ID:										
12	4.37	4.37	Earthen Levee	Animal Control	CR	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent hole in the crown of levee.	37.631518 ° -121.189217 °	37.631518 ° -121.189217 °	21 Y
DWR ID: DWR_RD2031_02_f_2012_21										
13	4.39	4.39	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.631505 ° -121.188755 °	37.631505 ° -121.188755 °	19 Y
DWR ID: DWR_RD2031_02_s_2012_19										
14	4.58	4.58	Earthen Levee	Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: 36" discharge pipe through the levee with flap gate closed.	37.630855 ° -121.185442 °	37.630855 ° -121.185442 °	22 Y
DWR ID: DWR_RD2031_02_f_2012_22										
15	4.75	4.75	Earthen Levee	Encroachments	LS A/W	Ma	PI : Pipe Inspector Comments: 14" pipe through the levee concrete headwall on landside, waterside is submerged ditch. No gate on landside. This does not threaten the structural integrity of the levee, but it does appear to allow for the free flow of water through the levee.	37.630835 ° -121.182411 °	37.630835 ° -121.182411 °	12 Y
DWR ID: DWR_RD2031_02_s_2012_12										
16	4.82	4.82	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.630837 ° -121.181010 °	37.630837 ° -121.181010 °	17 Y
DWR ID: DWR_RD2031_02_s_2012_17										
17	5.33	5.33	Earthen Levee	Animal Control	LS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: This is a significant burrow with 3-5 cubic feet of fresh material present, There is a matching burrow on the water side, also with fresh material.	37.630799 ° -121.171802 °	37.630799 ° -121.171802 °	13 Y
DWR ID: DWR_RD2031_02_s_2012_13										
18	5.46	5.46	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Multiple burrows, some appear to be active, others inactive.	37.630800 ° -121.169596 °	37.630800 ° -121.169596 °	14 Y
DWR ID: DWR_RD2031_02_s_2012_14										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

LMIR No.	Levee Mile		Category	Item	* Location	+ Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	5.51	5.51	Earthen Levee	Seepage / Sandboils	LS	A Ob		37.630485 ° -121.168648 °	37.630485 ° -121.168648 °	8 Y
DWR ID: DWR_RD2031_02_s_2012_8										
20	5.54	5.54	Earthen Levee	Seepage / Sandboils	LS	A Ob	Inspector Comments: 10/26/2011 Possible sand boil observed. Note that there is damage to the concrete channel directly across on the waterside of the levee from this issue. FIR filed for this issue, FIR no. 4422.	37.630797 ° -121.168204 °	37.630797 ° -121.168204 °	15 Y
DWR ID: DWR_RD2031_02_s_2012_15										
21	5.65	5.65	Earthen Levee	Erosion / Bank Caving	LS	U Ma	Inspector Comments: Active erosions occurring. Appears to be a hole behind the levee penetrating into the prism. Cracks observed above the hole on the levee slope. The waterside of the levee is a concrete lined MID irrigation canal.	37.630794 ° -121.166179 °	37.630794 ° -121.166179 °	16 Y
DWR ID: DWR_RD2031_02_s_2012_16										
22	5.98	5.98	Earthen Levee	Encroachments	WSA/W En	PI : Pipe	Inspector Comments: Gas Pipeline	37.630630 ° -121.159720 °	37.630630 ° -121.159720 °	2 Y
DWR ID: DWR_RD2031_02_s_2012_2										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

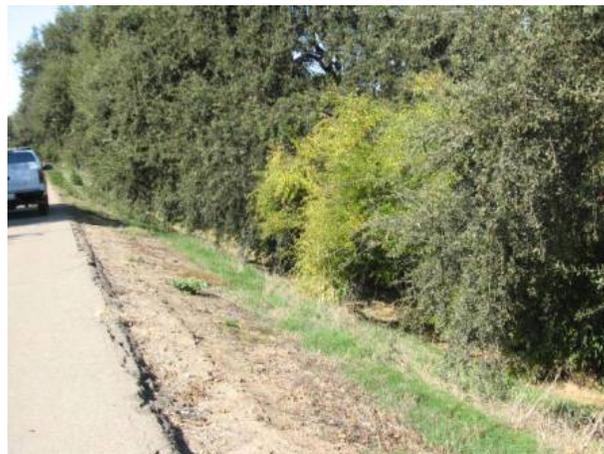
Levee Mile Report Line	1
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Drainage discharge pumps and housing on steep waterside slope.	
mkhashch_f_20120927_070.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Land Side
Category	Earthen Levee
Item	Encroachments
10/26/2011 Flap gates on landside.	
mkhashch_f_20120927_071.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.63
End Levee Mile	0.63
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
10/26/2011 Trees on landside need to be trimmed up 5' above the ground to allow for visibility of the landside slope and toe.	
mkhashch_f_20120927_075.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	3
Start Levee Mile	1.36
End Levee Mile	1.36
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Small structure on levee slope.	
mkhashch_f_20120927_072.jpg	



Levee Mile Report Line	4
Start Levee Mile	1.45
End Levee Mile	1.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Wild rose on levee slope.	
mkhashch_f_20120927_093.jpg	



Levee Mile Report Line	6
Start Levee Mile	3.88
End Levee Mile	3.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of flap gate partially open.	
mkhashch_f_20121105_707.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	3.89
End Levee Mile	3.89
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Tall vegetation on landside toe obstructing visibility.	
mkhashch_f_20121105_708.JPG	



Levee Mile Report Line	8
Start Levee Mile	4.23
End Levee Mile	4.23
Location	Land Side
Category	Earthen Levee
Item	Animal Control
10/26/2011 Typical, burrow in area, several burrows at this location, many of them were flagged prior to the Spring 2011 inspection.	
mkhashch_f_20120927_074.jpg	



Levee Mile Report Line	9
Start Levee Mile	4.23
End Levee Mile	4.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of agricultural tilling up to landside toe looking west from LM 4.47. 05/24/2012	
mkhashch_f_20120927_092.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	4.23
End Levee Mile	4.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of agricultural tilling up to landside toe looking west from LM 4.47.	
mkhashch_f_20121105_712.JPG	



Levee Mile Report Line	10
Start Levee Mile	4.28
End Levee Mile	4.36
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of active borrow hole at landside toe. 05/24/2012	
mkhashch_f_20120927_077.jpg	



Levee Mile Report Line	10
Start Levee Mile	4.28
End Levee Mile	4.36
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of several active burrow holes at landside toe. 05/24/2012	
mkhashch_f_20120927_078.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	4.28
End Levee Mile	4.36
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of active burrows on landside slope and toe.

mkhashch\_f\_20121105\_709.JPG



Levee Mile Report Line	11
Start Levee Mile	4.33
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

From the berm looking downstream.

SJR2012\_RD2031U02RM78.7\_1.jpg



Levee Mile Report Line	12
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Crown
Category	Earthen Levee
Item	Animal Control

View of large burrow in levee crown.

mkhashch\_f\_20121105\_711.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	4.39
End Levee Mile	4.39
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of several active burrow holes at landside hinge and toe. 05/24/2012	
mkhashch_f_20120927_091.jpg	



Levee Mile Report Line	14
Start Levee Mile	4.58
End Levee Mile	4.58
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of the closed flap gate on waterside.	
mkhashch_f_20121105_710.JPG	



Levee Mile Report Line	15
Start Levee Mile	4.75
End Levee Mile	4.75
Location	Land Side
Category	Earthen Levee
Item	Encroachments
10/26/2011 Photo shows landside of 14" PVC pipe through levee. No flap gate or closure device observed.	
mkhashch_f_20120927_079.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	16
Start Levee Mile	4.82
End Levee Mile	4.82
Location	Crown
Category	Earthen Levee
Item	Animal Control
View of rodent burrow in levee crown. 05/15/2012	
mkhashch_f_20120927_089.jpg	



Levee Mile Report Line	17
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Animal Control
10/26/2011 Photo taken from location of waterside burrow to show relationship to landside burrow, which can be noted by fresh material seen over the levee crown approximately 2' to the left in this photo.	
mkhashch_f_20120927_082.jpg	



Levee Mile Report Line	17
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Landside photo of large burrow, 3-5 cubic ft of material shown.	
mkhashch_f_20121105_713.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	17
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Waterside burrow, located almost directly across from large burrow in previous photo.	
mkhashch_f_20121105_714.JPG	



Levee Mile Report Line	18
Start Levee Mile	5.46
End Levee Mile	5.46
Location	Land Side
Category	Earthen Levee
Item	Animal Control
10/26/2011 Multiple burrows shown on the landside.	
mkhashch_f_20120927_083.jpg	



Levee Mile Report Line	19
Start Levee Mile	5.51
End Levee Mile	5.51
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils
View of seepage at toe; clear water present at the saturated spot. 05/15/2012	
mkhashch_f_20120927_073.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	20
Start Levee Mile	5.54
End Levee Mile	5.54
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

10/26/2011 First of three photos showing possible sand boil, appears to be a deposition of material as evidenced by the shadows on the upper side of the boil.

mkhashch\_f\_20120927\_084.jpg



Levee Mile Report Line	20
Start Levee Mile	5.54
End Levee Mile	5.54
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

10/26/2011 Photo shows location of boil relative to the levee.

mkhashch\_f\_20120927\_085.jpg



Levee Mile Report Line	20
Start Levee Mile	5.54
End Levee Mile	5.54
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils

10/26/2011 This concrete damage is located directly across the levee crown from the boil location.

mkhashch\_f\_20120927\_086.jpg



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor &amp; Maintain</p>	<p><b>+ Issue Type</b></p> <p>Ma : Maintenance Deficiency Ob : Design &amp; System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	20
Start Levee Mile	5.54
End Levee Mile	5.54
Location	Land Side
Category	Earthen Levee
Item	Seepage / Sandboils
View of the erosion site; not seepage visible at time of inspection. 05/15/2012	
mkhashch_f_20120927_087.jpg	



Levee Mile Report Line	21
Start Levee Mile	5.65
End Levee Mile	5.65
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
10/23/2011 Erosion located on the landside of the levee. Cracking above the hole in the levee slope and hole extends into the levee prism.	
mkhashch_f_20120927_088.jpg	



Levee Mile Report Line	21
Start Levee Mile	5.65
End Levee Mile	5.65
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the erosion in relationship to the levee crown.	
mkhashch_f_20121105_715.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 2031 Elliot**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	10/23/2012 10/23/2012	Maksim Khashchuk

Levee Mile Report Line	22
Start Levee Mile	5.98
End Levee Mile	5.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of gas pipeline penetrating levee. 05/15/2012

mkhashch\_f\_20120927\_069.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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